

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(001B3E) Hex(37424F) Hex(003E23) Hex(1A2029) Hex(A8A8A8) Hex(292929)**

<b>Hex(001B3E)</b>		<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 7.20</a> Passed <sup>6</sup>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>
<b>Hex(37424F)</b>	<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.20</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.60</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.30</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.42</a> Failed <sup>5</sup>
<b>Hex(003E23)</b>	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.20</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.34</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.15</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>
<b>Hex(1A2029)</b>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.60</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.34</a> Failed <sup>5</sup>		<a href="#">Ratio: 6.89</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>
<b>Hex(A8A8A8)</b>	<a href="#">Ratio: 7.20</a> Passed <sup>6</sup>	<a href="#">Ratio: 4.30</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 5.15</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 6.89</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		<a href="#">Ratio: 6.12</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(292929)</b>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.42</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 6.12</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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